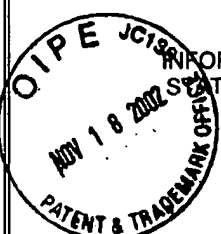


FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE 	ATTY. DOCKET NO. 1038-1212 MIS:ac	SERIAL NO. 10/030,313
	APPLICANT Sheena M. Loosmore et al	
	FILING DATE July 11, 2000	GROUP N/A 1645

U.S. PATENT DOCUMENTS

*INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCL.	FILING DATE
J	4,496,538	1/1985	Gordon			
	5,603,938	2/1997	BarerKamp			
	5,808,024	2/1998	sasaki et al			
	5,506,139	4/1996	Loosmore et al			
J	5,646,259	7/1997	St Genet et al			

FOREIGN PATENT DOCUMENTS

DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCL.	TRANSLATION	
WO 96/34960 x	11/1996	WO			YES	NO
WO 94/21290 x	9/1994	WO				
WO 94/00149	1/1994	WO				
WO 00/35477 x	6/2000	WO				
WO 95/34308	12/1995	WO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1/	Barbour, M.L., R.T. Mayon-White, C. Coles, D.W.M. Crook, and E.R. Moxon. 1995. The impact of conjugate vaccine on carriage of <i>Haemophilus influenzae</i> type b. J. Infect. Dis. 171:93-98.
2./	Berkowitz et al. 1987. J. Pediatr. 110:509.
3./	Claesson et al. 1989. J. Pediatr. 114:97.
4./	Black, S.B., H.R. Shinefield, B. Fireman, R. Hiatt, M. Polen, E. Vittinghoff, The Northern California Kaiser Permanent Vaccine Study Center Pediatrics Group. Efficacy in infancy of oligosaccharide conjugate <i>Haemophilus influenzae</i> type b (HbOC) vaccine in a United States population of 61,080 children. 1991. Pediatr. Infect. Dis. J. 10:97-104.
5./	Nitta, D.M., M.A. Jackson, V.F. Burry, and L.C. Olson. 1995. Invasive <i>Haemophilus influenzae</i> type f disease. Pediatr. Infect. Dis. J. 14:157-160.
6./	Waggoner-Fountain, L.A., J.O. Hendley, E.J. Cody, V.A. Perriello, and L.G. Donowitz. 1995. The emergence of <i>Haemophilus influenzae</i> types e and f as significant pathogens. Clin. Infect. Dis. 21:1322-1324.

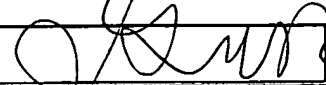
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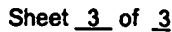
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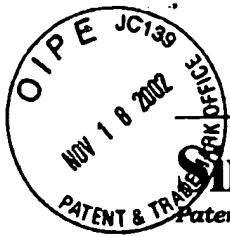
FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 1038-1212 MIS:ac	SERIAL NO. 10/030,313
	APPLICANT Sheena M. Loosmore et al	
	FILING DATE July 11, 2000	GROUP A 164 S

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
7. ✓		Madore, D.V. 1996. Impact of immunization on <i>Haemophilus influenzae</i> type b disease. <i>Infectious Agents and Disease</i> 5:8-20.
8. ✓		Bluestone, C.D. 1982. Current concepts in otolaryngology. Otitis media in children: to treat or not to treat? <i>N. Engl. J. Med.</i> 306:1399-1404.
9. ✓		Ioannidis, J.P.A., M. Worthington, J.K. Griffiths, and D.R. Snyderman. 1995 Spectrum and significance of bacteremia due to <i>Moraxella catarrhalis</i> . <i>Clin. Infect. Dis.</i> 21:390-397.
10. ✓		Meyer, G.A., T.R. Shope, N.J. Waeker, Jr., and F.H. Lanningham. 1995 <i>Moraxella (Branhamella) catarrhalis</i> bacteremia in children. <i>Clin. Pediatr.</i> 34:146-150.
11. ✓		Enright, M.C. and M.H. McKenzie. 1997. <i>Moraxella (Branhamella) catarrhalis</i> -clinical and molecular aspects of a rediscovered pathogen. <i>J. Med. Microbiol.</i> 46:360-371.
12. ✓		Barenkamp, S.J., and F.F. Bodor. 1990. Development of serum bactericidal activity following non-typable <i>Haemophilus influenzae</i> acute otitis media. <i>Pediatr. Infect. Dis.</i> 9:333-339.
13. ✓		Barenkamp, S.J., and J.W. St. Geme III. 1994. Genes encoding high-molecular weight adhesion proteins of non-typeable <i>Haemophilus influenzae</i> are part of gene clusters. <i>Infect. Immun.</i> 62:3320-3328.
14. ✓		St. Geme III J.W., V.V. Kumar, D. Cutter, and S.J. Barenkamp. 1998. Prevalence and distribution of the <i>hmw</i> and <i>hia</i> genes and the HMW and Hia adhesins among genetically diverse strains of non-typeable <i>Haemophilus influenzae</i> . <i>Infect. Immun.</i> 66:364-368.
15. ✓		St. Geme III, J.W., S. Falkow, and S.J. Barenkamp. 1993. High-molecular-weight proteins of non-typeable <i>Haemophilus influenzae</i> mediate attachment to human epithelial cells. <i>Proc. Natl. Acad. Sci. USA</i> 90 :2875-2879.
16. ✗		Barenkamp, S.J. 1996. Immunization with high-molecular-weight adhesion proteins of non-typeable <i>Haemophilus influenzae</i> modifies experimental otitis media in chinchillas. <i>Infect. Immun.</i> 64:1246-1251.
17. ✓		Yang, Y.P., S.M. Loosmore, B. Underdown, and M.H. Klein. 1998. Nasopharyngeal colonization with non-typeable <i>H. influenzae</i> , in chinchillas. <i>Infect. Immun.</i> 66:1973-1980.
18. ✓		St. Geme, J.W. and D. Cutter. 1995. Evidence that surface fibrils expressed by <i>Haemophilus influenzae</i> type b promote attachment to human epithelial cells. <i>Molec. Microbiol.</i> 15:77-85.
19. ✗		Barenkamp, S.J. and J.W. St. Geme. 1996. Identification of a second family of high-molecular-weight adhesion proteins expressed by non-typeable <i>Haemophilus influenzae</i> . <i>Molec. Microbiol.</i> 19:1215-1223.
20. ✓		St. Geme, J.W., D. Cutter and S.J. Barenkamp. 1996. Characterization of the genetic locus encoding <i>Haemophilus influenzae</i> type b surface fibril. <i>J. Bact.</i> 178:6281-6287.
EXAMINER:  DATE CONSIDERED: 2/2/05		

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November 15, 2002

VIA COURIER


The Commissioner of Patents
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United States of America

Dear Sirs:

RE: U.S. Patent Application No. 10/030,313
Applicant: Sheena M. Loosmore
MULTI-COMPONENT VACCINE TO PRTECT AGAINST
DISEASE CAUSED BY HAEMOPHILUS
INFLUENZAE....CATARRHALIS

Please find enclosed an Information Disclosure Statement and copies of the references listed therein with respect to each of the references cited in the specification, in the International Search Report received on the corresponding International application and in prior U.S. application No. 09/353,617.

Respectfully submitted,


Michael I. Stewart
Registration No. 24,973

M.I. Stewart/ac
Encl.

NOV 18 2002

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